

## ROOT CAUSE DIAGNOSTICS

### ABSTRACT OF THE DISCLOSURE

An industrial process diagnostic apparatus is provided which can identify a source, or "root cause", of an aberration in an industrial process. A plurality of process configuration models are provided which each represent a physical (or actual) implementation of an industrial process. One of the plurality of models is selected and diagnostics 5 performed on the process using the selected model and at least one process signal related to the process. Based upon the diagnostics, a root cause of the 10 aberration is determined.

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